

10/054,967

PTO/SB/17 (12-04)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2005		Application Number	Patent#: 6,815,420
		Filing Date	Issued: November 9, 2004
		First Named Inventor	Brent L. Kreider
		Examiner Name	E. Kemmerer
		Art Unit	1646
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	Attorney Docket No.	PF115P4C1D1	
TOTAL AMOUNT OF PAYMENT (\$) 200.00			

METHOD OF PAYMENT (check all that apply)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: 08-3425
Deposit Account Name: Human Genome Sciences, Inc.	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
	FILING FEES		SEARCH FEES		EXAMINATION FEES		
		Small Entity		Small Entity		Small Entity	
Application Type	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fee (\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
2. EXCESS CLAIM FEES							
Fee Description						Small Entity	
						Fee (\$)	Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent						50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent						200	100
Multiple dependent claims						360	180
Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims			
26	- 190	x	=	Fee (\$)	Fee Paid (\$)		
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)				
4	- 4	x	=				
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)			
	- 100 =	/50	(round up to a whole number) x	=			
4. OTHER FEE(S)							
Non-English Specification, \$130 fee (no small entity discount)						Fees Paid (\$)	
Other: 1455 Filing an application for patent term adjustment						200.00	

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	46,789
Name (Print/Type)	Mark J. Hyman	Telephone	(240) 314-1224
		Date	December 21, 2004



VIA HAND DELIVERY DECEMBER 21, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Kreider et al.

Docket No.: PF115P4C1D1

Patent No.: 6,815,420

Issued: November 9, 2004

For: Methods of Using Chemokine Beta-6

**REQUEST FOR RECONSIDERATION OF PATENT TERM ADJUSTMENT
UNDER 37 C.F.R. § 1.705(d)**

MS Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Patentees hereby request reconsideration of the patent term adjustment (PTA) indicated on the face of U.S. Patent No. 6,815,420 B2 (the '420 Patent), and in the PAIR data for this patent. In particular, both the patent document and PAIR indicate 0 days of patent term adjustment, but Patentees are due at least 78 days, and as much as 149 days, of PTA as described more fully below.

This request is being timely filed under 37 C.F.R. § 1.705(d), as it is being submitted less than two months after the issue date (November 9, 2004). The requirements of 37 C.F.R. § 1.705(b)(1) are satisfied by the Fee Transmittal Sheet enclosed herewith, authorizing payment of the fee set forth in 37 C.F.R. 1.18(e). The requirements of 37 C.F.R. § 1.705(b)(2) are satisfied by the following statements, as supplemented by the attached Exhibits.

Eligibility for PTA

1. The application that matured into the instant patent (the '967 Application) was filed on January 25, 2002, and was thus eligible for patent term adjustment under 35 U.S.C. § 154.

12/23/2004 SFELEKE2 00000208 083425 6815420

01 FC:1455 200.00 DA

Correct PTA, Basis Therefore, and Relevant Dates

2. The issue fee for the '967 Application was paid on February 13, 2004. Although the Office later issued a new requirement as discussed below, all outstanding requirements had been satisfied at the time the issue fee was paid. The Office failed to issue the '420 Patent within the four month time frame allowed under 35 U.S.C. § 154(b)(1)(A)(iv) and 37 C.F.R. § 1.702(a)(4). Instead, the '420 Patent issued on November 9, 2004. The Patent Term Adjustment History screen of the PAIR system (attached as Exhibit A) properly indicates a PTO delay for a period of 149 days for this period. Thus, Patentees are entitled to a patent term adjustment of 149 days due to the Patent Office's delay, subject to any reductions. The PAIR system shows two reductions of PTA, discussed in more detail below. Patentees respectfully submit that these reductions have been made erroneously.
3. The issue fee for the '967 Application was paid on February 13, 2004 by the hand delivery of an executed Form PTOL-85 (Fee(s) Transmittal), a proper Fee Transmittal (Form PTO/SB/17), and a transmittal letter. Copies of these documents, and of the date-stamped return receipt card indicating the receipt thereof by the PTO on February 13, 2004, are attached as Exhibit B.
4. On April 29, 2004, the Office mailed a "Notice of Drawing Inconsistency with Specification." The Notice indicated that Figures 11C-D were contained in the drawings, but not listed in the Brief Description of the Drawings in the specification. A one-month period for reply was set.
5. On May 27, 2004, Patentees responded to the Notice by filing an amendment to the description of Figure 11. This amendment made pursuant to the procedure set forth in 1280 O.G. 918 (March 23, 2004), and was not an amendment under 37 C.F.R. § 1.312. Accordingly, the PAIR entry for this filing describing it as an "Amendment after Notice of Allowance (Rule 312)" is incorrect.
6. On August 5, 2004, the Office mailed a response indicating that the amendment made on May 27, 2004 was accepted. This response erroneously stated that it was

a “Response to Rule 312 Communication;” the response was entered under this name in the PAIR records.

7. The ‘420 Patent issued on November 9, 2004.

Summary of Relevant Dates

Issue Fee Payment	February 13, 2004
Notice of Drawing Inconsistency	April 29, 2004
Response to Notice (Amendment)	May 27, 2004
Office Response	August 5, 2004
Issue Date	November 9, 2004

Terminal Disclaimer

8. The instant application is not subject to a terminal disclaimer.

Efforts to Conclude Processing or Examination

9. As noted above, the PAIR records indicate two reductions in PTA for this patent, presumably due to alleged failures to engage in reasonable efforts to conclude prosecution of the application.
10. The first reduction, for 104 days, is shown between entries for “Miscellaneous Incoming Letter” (February 13, 2004) and “Amendment after Notice of Allowance (Rule 312)” (May 27, 2004). However, no paper other than those attached as Exhibit B was filed on February 13, 2004. According to M.P.E.P. § 2732, the filing of Form PTOL-85 is not a failure to engage in reasonable efforts to conclude prosecution. Patentees respectfully submit that the inclusion of a transmittal letter and Form PTO/SB/17 with Form PTOL-85 cannot constitute “a failure to engage” under 37 C.F.R. § 1.704(c)(10), as these documents are merely ancillary to the submission of Form PTOL-85. Moreover, Patentees note that this cannot be the

Office's intention, as it would result in PTA reductions for a routine paper filed in many, if not most, applications. Nor are such reductions routinely made by the Office, based on a review of the PTA data for several other issued patents. Thus, Patentees respectfully request that the 104 day reduction in PTA due to papers sent February 13, 2004 be reconsidered and withdrawn.

11. The second reduction, for 71 days, is shown for the "Amendment after Notice of Allowance (Rule 312)" entry made on May 27, 2004; although the PAIR data does not indicate the stop point of this period, it appears to be the "Mail Response to 312 Amendment (PTO-271)" entry (August 5, 2004). As discussed in paragraph 5 above, the May 27, 2004 filing was an amendment made in response to the Notice of Drawing Inconsistency.
12. The paper filed on May 27, 2004 should not be considered a "failure to engage" for at least two reasons. First, this paper was filed in response to a requirement of the Office made on April 29, 2004, and the response was filed within three months. Thus, under 37 C.F.R. § 1.704(b), no PTA reduction should be made for this filing. Second, the paper was not a "312 Amendment", but instead was filed pursuant to the procedure set forth in 1280 O.G. 918 (March 23, 2004). Moreover, even though this paper was filed after a notice of allowance was mailed, it was not required by the Office until April 29, 2004. Thus, no PTA reduction under 37 C.F.R. § 1.704(c)(10) should be made as a result of this filing.
13. Other than the circumstances described above, there have been no circumstances that could reasonably be construed as a failure to engage in reasonable efforts to conclude processing or examination of this application.
14. Presuming that both of the above-described reductions currently shown in PAIR were improperly made, the correct PTA should be 149 days.
15. If the Office holds that the paper filed on May 27, 2004 constituted a "failure to engage," then 71 days of PTA reduction would be applied (from May 27, 2004 to August 5, 2004) under 37 C.F.R. § 1.704(c)(10), yielding a total PTA of 78 days.

CONCLUSION

Patentees respectfully request that the PTA for the instant application be reconsidered in light of the facts and circumstances described above. In particular, Patentees maintain that the instant application is entitled to at least 78 days, and as much as 149 days, of PTA.

If any further information is required, please contact the undersigned at the number listed below. Please charge any additional fees due in connection with the filing of this paper, or credit any overpayment, to Deposit Account No. 08-3425.

Dated: December 21, 2004

Respectfully submitted,

By 

Mark J. Hyman

Registration No.: 46,789
HUMAN GENOME SCIENCES, INC.
Intellectual Property Dept.
14200 Shady Grove Road
Rockville, Maryland 20850
(240) 314-1224

MJH/ZS/mr



United States Patent and Trademark Office

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PATENT APPLICATION INFORMATION RETRIEVAL



Patent Term Adjustment (PTA) for publication number: 10/054,967

			Days
Filing or 371(c) Date:	01-25-2002	USPTO Delay (PTO):	149
Issue Date of Patent:	11-09-2004	Three Years:	-
Pre-Issue Petitions (days):	+0	Applicant Delay (APPL):	175
Post-Issue Petitions (days):	+0	Total PTA:	0
USPTO Adjustment (days):	+0	Explanation of Calculations	

Search Options

Continuity Data
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File History
Maintenance Fees - Retrieve fees to pay
Maintenance Fees - View payment windows
Maintenance Statement - View 04 year payment window
Maintenance Statement - View 08 year payment window
Maintenance Statement - View 12 year payment window
Published Documents

Maintenance Fees Available: Mon-Fri 5:30 AM to Midnight, Sat-Sun-Hol. 7:30 AM to 8:00 PM E.T.

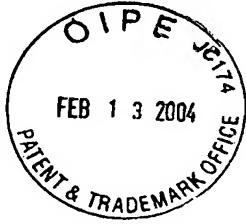
Patent Term Adjustment History

Date	Contents Description	PTO (days)	APPL (days)
11-09-2004	Patent Issue Date Used in PTA Calculation	149	
09-21-2004	Receipt into Pubs	↑	
09-20-2004	Receipt into Pubs	↑	
09-17-2004	Dispatch to FDC	↑	
02-13-2004	Mailroom Date of Issue Fee Payment	↑	
08-05-2004	Mail Response to 312 Amendment (PTO-271)	↑	
08-04-2004	Response to Amendment under Rule 312	↑	
05-27-2004	Amendment after Notice of Allowance (Rule 312)	↑	71
05-27-2004	Workflow incoming amendment IFW	↑	↑
04-29-2004	Mail Miscellaneous Communication to Applicant	↑	↑
04-28-2004	Miscellaneous Communication to Applicant - No Action Count	↑	↑
04-26-2004	Receipt into Pubs	↑	↑
04-22-2004	Application Is Considered Ready for Issue	↑	↑
01-25-2002	Workflow - Drawings Finished	↑	↑
02-13-2004	Mailroom Date of Issue Fee Payment	↑	↑
02-13-2004	Miscellaneous Incoming Letter		104
04-08-2004	Receipt into Pubs		
02-13-2004	Issue Fee Payment Recorded		
12-30-2003	Workflow - File Sent to Contractor		
11-17-2003	Mail Notice of Allowance		
11-17-2003	Mail Examiner's Amendment		
11-14-2003	Issue Revision Completed		

11-14-2003	Notice of Allowance Data Verification Completed		
11-14-2003	Case Docketed to Examiner in GAU		
11-14-2003	Examiner's Amendment Communication		
11-14-2003	Notice of Allowability		
09-27-2003	Date Forwarded to Examiner		
08-22-2003	Response after Non-Final Action		
05-22-2003	Mail Non-Final Rejection		
05-19-2003	Non-Final Rejection		
04-15-2003	Date Forwarded to Examiner		
04-11-2003	Response to Election / Restriction Filed		
03-11-2003	Mail Restriction Requirement		
03-11-2003	Requirement for Restriction / Election		
03-07-2003	Correspondence Address Change		
03-07-2003	Change in Power of Attorney (May Include Associate POA)		
10-02-2002	Information Disclosure Statement (IDS) Filed		
07-18-2002	Information Disclosure Statement (IDS) Filed		
01-25-2002	Preliminary Amendment		
01-25-2002	Preliminary Amendment		
05-01-2002	Case Docketed to Examiner in GAU		
04-24-2002	Application Dispatched from OIPE		
04-24-2002	Application Is Now Complete		
04-17-2002	CRF Is Good Technically / Entered into Database		
01-25-2002	CRF Disk Has Been Received by Preexam / Group / PCT		
01-25-2002	Initial Exam Team nn		
03-19-2002	IFW Scan & PACR Auto Security Review		
02-06-2002	IFW Scan & PACR Auto Security Review		
01-25-2002	Initial Exam Team nn		

RETURN RECEIPT CARD

(MPEP § 503)

OIPE:	Please Date Stamp In The Box Below And Return To Addressee
<div style="text-align: center;"></div>	

Application of:
Kreider et al.

Docket No.: PF115P4C1D1

Application Serial No.: 10/054,967-Conf. #9197

Art Unit: 1646

Filed: January 25, 2002

Examiner: E. Kemmerer

Title: Methods of Using Chemokine Beta-6

The following documents were filed by Human Genome Sciences, Inc.
via hand delivery on February 13, 2004:

1. Return Receipt Postcard;
2. Fee Transmittal charging \$1642 to deposit account (in duplicate);
3. Issue Fee Transmittal Letter; and
4. Issue Fee Transmittal (PTOL-85).

Sender's Initials: KKH/MJH/ZS/vsr

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,642.00

Complete if Known

Application Number 10/054,967-Conf. #9197
Filing Date January 25, 2002
First Named Inventor Brent L. Kreider
Examiner Name E. Kemmerer
Art Unit 1646
Attorney Docket No. PF115P4C1D1

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number

08-3425

Deposit Account Name

Human Genome Sciences, Inc.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
26	-190** =	x	0.00
4	-4** =	x	0.00
Multiple Dependent			

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	1,330.00
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)	1504			Publication fee for early, voluntary, or normal publication; Advance Order of Patents (4)	312.00

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 1,642.00

SUBMITTED BY

Name (Print/Type) Mark J. Hyman

Registration No. (Attorney/Agent) 46,789

(Complete if applicable)

Telephone (240) 314-1224

Signature

Mark J. Hyman

Date

2/13/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kreider et al.

Allowed: November 17, 2003

Application No.: 10/054,967

Confirmation No.: 9197

Filed: January 25, 2002

Art Unit: 1646

For: Methods of Using Chemokine Beta-6

Examiner: E. Kemmerer

ISSUE FEE TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

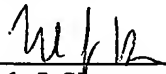
In response to the Notice Of Allowance and Issue Fee Due and Notice of Allowability mailed November 17, 2003; Applicants submit herewith: 1) an Issue Fee Transmittal (Form PTOL-85) with appropriate fees noted (including \$1330.00 Issue Fee, \$300.00 publication fee, and \$12.00 fee for advance order of 4 copies of the issued patent), and 2) a Fee Transmittal with appropriate fees noted for entry in the above-captioned application.

Applicants note that the Examiner's amendment, mailed November 17, 2003, as part of Paper No.:20031114, contains an error in the the replacement paragraph for the first paragraph of the specification. Instead of reading, "—This application is a divisional of U.S. Application 09/419,281, filed October 15, 1999, no U.S. Patent No. 6,379,926, which is a divisional..., " the replacement paragraph should read, "—This application is a divisional of U.S. Application 09/419,281, filed October 15, 1999, now U.S. Patent No. 6,379,926, which is a divisional...."

No additional fee is believed necessary with the submission of this paper. In the event that an additional fee is deemed necessary in connection with this submission, please charge the required fee to Deposit Account No. 08-3425.

Dated: February 13, 2004

Respectfully submitted,

By 
Mark J. Hyman

Registration No.: 46,789
HUMAN GENOME SCIENCES, INC.
14200 Shady Grove Road
Rockville, Maryland 20850
(240) 314-1224

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

22195 7590 11/17/2003

HUMAN GENOME SCIENCES INC
9410 KEY WEST AVENUE
ROCKVILLE, MD 20850

Certificate of Mailing or Transmittal

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/054,967	01/25/2002	Brent L. Kreider	1488.034000B	9197

TITLE OF INVENTION: METHODS OF USING CHEMOKINE B-6

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	02/17/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
KEMMERER, ELIZABETH	1646	514-012000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

HUMAN GENOME SCIENCES, I
2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

HUMAN GENOME SCIENCES, INC.,

ROCKVILLE, MD

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☒ Publication Fee
☒ Advance Order - # of Copies 4

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 08-3425 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) Mark J. Hyman (Date) 2/13/2004
Reg. No. 46,789

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